

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1221183

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (3500K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221183
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (3500K_L18_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

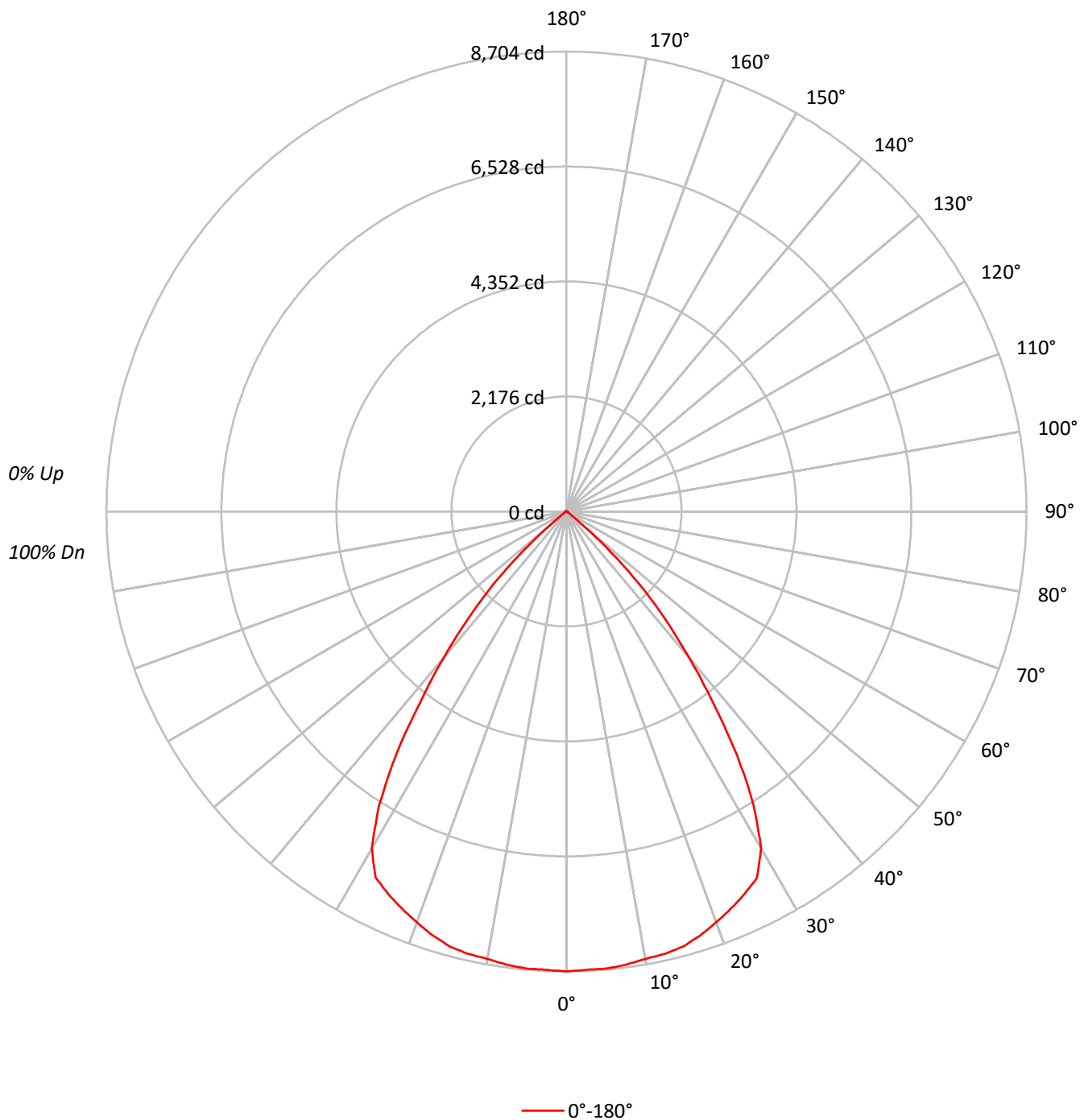
Lumens per Lamp: N/A
Luminaire Lumens: 12017.9 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1221183

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92		
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85		
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78		
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71		
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65		
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60		
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55		
8	75	64	58	53	74	64	57	53	63	57	53	62	56	53	60	56	52	51		
9	71	60	54	49	70	60	53	49	59	53	49	58	52	49	57	52	49	47		
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47582
5°	45526
10°	43610
15°	42177
20°	40285
25°	38514
30°	35503
35°	27253
40°	17781
45°	9823
50°	2367
55°	366
60°	212
65°	204
70°	196
75°	173
80°	128
85°	62

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9823 cd/sqm

TEST NUMBER: P1221183

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (3500K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	826.0	6.9
10°-20°	2401.2	20.0
20°-30°	3662.9	30.5
30°-40°	3443.6	28.7
40°-50°	1495.1	12.4
50°-60°	112.0	0.9
60°-70°	33.6	0.3
70°-80°	25.3	0.2
80°-90°	8.3	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	1.6	0.0
140°-150°	2.6	0.0
150°-160°	2.7	0.0
160°-170°	2.0	0.0
170°-180°	0.8	0.0
0°-30°	6890.1	57.3
0°-40°	10333.7	86.0
0°-60°	11940.9	99.4
0°-90°	12008.1	99.9
90°-120°	0.0	0.0
90°-150°	4.3	0.0
90°-180°	10.0	0.1
0°-180°	12017.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8704	
5°	8685	826
15°	8523	2401
25°	7981	3663
35°	5617	3444
45°	1952	1495
55°	68	112
65°	34	34
75°	25	25
85°	7	8
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	2	2
145°	5	3
155°	6	3
165°	7	2
175°	8	1
180°	8	

TEST NUMBER: P1221183

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (3500K_L18_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8703.8
2.5°	8681.6
5°	8685.1
7.5°	8650.0
10°	8598.6
12.5°	8576.4
15°	8522.6
17.5°	8412.6
20°	8275.8
22.5°	8135.5
25°	7981.1
27.5°	7811.6
30°	7364.9
32.5°	6593.1
35°	5616.6
37.5°	4532.6
40°	3612.3
42.5°	2763.3
45°	1951.7
47.5°	1147.2
50°	456.1
52.5°	150.9
55°	67.8
57.5°	46.8
60°	37.4
62.5°	35.1
65°	33.9
67.5°	32.7
70°	30.4
72.5°	28.1
75°	24.6
77.5°	19.9
80°	16.4
82.5°	11.7
85°	7.0
87.5°	3.5
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0

TEST NUMBER: P1221183

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (3500K_L18_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	1.2
132.5°	1.2
135°	2.3
137.5°	2.3
140°	3.5
142.5°	3.5
145°	4.7
147.5°	4.7
150°	4.7
152.5°	5.8
155°	5.8
157.5°	5.8
160°	7.0
162.5°	7.0
165°	7.0
167.5°	7.0
170°	8.2
172.5°	8.2
175°	8.2
177.5°	8.2
180°	8.2

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.04
	12H	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.07
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.15
	8H	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.35
	12H	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.47
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.15
	8H	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.41

END OF REPORT